Seminar/Talk

Microscopic life navigating with smart escapes

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Host: Jérémie Palacci

Microorganisms are key components of all life forms and ecosystems. But living bodies are more challenging to predict than non-living particles because they produce sophisticated responses to chemical and mechanical cues. This talk draws examples from bacteria and zooplankton navigating in controlled laboratory experiments. Upon entry into a confined space or an encounter with an approaching predator, they show escape responses that are remarkably robust. These behaviors can be understood in terms of a theoretical model that accounts for hydrodynamic and thermal effects. The results suggest that complex behavioral patterns may emerge from a simple physical stimulus or change in the external environment.

Thursday, June 1, 2023 11:00am - 12:00pm
Sunstone Bldg / Ground floor / Big Seminar Room B / 63 seats (I23.EG.102)

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